Common Fields

	Field Name	Field Description
A	**datauuid**	This is the unique id assigned to a data record in the data table
A	**deviceuuid**	This is the id of the device which has generated and entered this data into the data table.
A	**pkg_name**	This is the package name of the application which has inserted this data into the data table.
A	**create_time**	This is the time instant (UTC Date and Time) at which the data record has been created.
A	**update_time**	This is the time instant (UTC Date and Time) at which the data record was last updated.
B	**create_sh_version**	This is the version of Samsung Health which created the data record.
B	**modify_sh_version**	This is the version of Samsung Health which last updated the data record.
C	**time_offset**	This is the time zone in which data record is entered
D	**custom**	These are additional custom properties that can be entered by partner

Group A (Must Have fields): datauuid , deviceuuid , pkg_name , create_time , update_time
Group B (Application Version Fields): create_sh_version, modify_sh_version
Group C (Time Zone field): time_offset
Group D (Additional properties field): custom

Jargons:

Epoch time - Number of non-leap milli-seconds that have elapsed since 00:00:00 UTC on 1 January 1970

Json - Java Script Object Notation is a text format for storing and transporting data

Blob - Binary Large Object a data type that is used to store binary data such as images or other multimedia files.

CGM - is a technology that allows users to continuously monitor their blood sugar levels without having to take a blood sample. It works by measuring the concentration of glucose in the blood using a small sensor attached to a finger or wrist. This allows users to track their blood sugar levels in real-time and make informed decisions about their diet and exercise regimen. Users can see this data by associating your CGM app with Samsung Health.

MIME – The Multipurpose Internet Mail Extensions, known also as MIME type, is a specification extending the format of email to support sending images, audio/video files, archives, etc.

<com.samsung.health.advanced_glycation_endproduct.raw> Data Details

File Name	Advanced glycation endproduct raw.csv
File Description	Advanced glycation endproduct raw
Common Field Group	A, B, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
binning_data*	Raw value measured during measuring session. (Refer to the following for details)

***binning_data** contains score of AGE for multiple timestamp in a session
- score: advanced glycation end products score. Range: 0 ~ 500
- timestamp: measured time (UTC)

Example.
[{"score":235,"timestamp":1697823000000},{"score":235,"timestamp":1697826600000},{"score":235,"timestamp":1697830200000},{"score":235,"timestamp":1697833800000},{"score":235,"timestamp":1697837400000},{"score":235,"timestamp":1697841000000},{"score":235,"timestamp":1697844600000}]

<com.samsung.health.ambient_temperature> Data Details

File Name Temperature and humidity.csv

File Description Temperature and humidity

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
temperature	Measured temperature of the surroundings.
humidity	Measured humidity of the surroundings.
latitude	Geographical location measured in terms of latitude.
longitude	Geographical location measured in terms of longitude.
altitude	Elevation of the geographical location where the measurement was taken.
accuracy	Precision level of the geographical data obtained from the measurement.

<com.samsung.health.hrv> Data Details

File Name

HRV (Heart Rate Variability).csv

File Description

HRV (Heart Rate Variability)

Common Field Group

A, B, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement
comment	Comment given for this entry
binning_data*	Detailed binning data of continuous HRV in the session (Refer to the following for details)

***binning_data** contains details of multiple intervals in a session data.

HRV session data in binning_data is composed of the following fields and values

- sdnn: Standard Deviation of Normal to Normal Interval (One of method to measure HRV)
- rmssd: Root Mean Square of the Successive Differences (One of method to measure HRV)
- start_time: Continuous measurement start time (UTC value, epoch time)
- end_time: Continuous measurement end time (UTC value, epoch time)

Example.
{"start_time":1716568415662,"end_time":1716568715736,"sdnn":151.00546,"rmssd":96.33343}

<com.samsung.health.movement> Data Details

File Name	Movement.csv
File Description	Save movement data during wearing the wearable devices
Common Field Group	A, B, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
binning_data*	Detailed binning data of Movement. In case of Movement, one record includes an hour data
comment	Comment given for this entry

***binning_data** contains details of multiple intervals in a session data.

Movement session data in binning_data is composed of the following fields and values

- start_time: Continuous measurement start time (UTC value, epoch time)

- end_time: Continuous measurement end time (UTC value, epoch time)

- activity_level: activity level measured by movement sensor

<com.samsung.health.respiratory_rate> Data Details

File Name

Respiratory Rate.csv

File Description

Respiratory Rate

Common Field Group

A, B, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
average	Average value of Respiration in the session (Not a percentage)
upper_limit	Upper limit calculated through the post-processing library
lower_limit	Lower limit calculated through the post processing library
is_outlier	Indicates whether the average value of the breath is an outlier (1: true, 0: false)
pplib_version	Version info of respiratory rate post-processing library
binning_data*	Detailed binning data in the session

***binning_data** contains details of multiple intervals in a session data.

RespiratoryRate session data in binning_data is composed of the following fields and values

- respiratory_rate : Average respiratory rate value in the session
- start_time: Continuous measurement start time (UTC value, epoch time)
- end_time: Continuous measurement end time (UTC value, epoch time)

Example.
{"end_time": 1718476439000, "respiratory_rate": 11.932547, "start_time": 1718476380000}

<com.samsung.health.skin_temperature> Data Details

File Name Samsung Health Skin Temperature.csv

File Description Skin temperature

Common Field Group A, C

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement
comment	Comment given for this entry
temperature	Skin temperature value (single measurement or mean value of the session) in celsius
baseline	Personal baseline skin temperature in celsius
lower_bound	Lower bound of personal range in celsius
upper_bound	Upper bound of personal range in celsius
min	Minimum value of skin temperature in celsius in the session
max	Maximum value of skin temperature in celsius in the session
binning_data*	Detailed binning data of continuous skin temperature in the session
tag_id	Tag ID (default value: -1, sleep: 31301)
stat_m1	t_m1 stat output of post-processing skin temperature
stat_m2	t_m2 stat output of post-processing skin temperature
stat_n	n stat output of post-processing skin temperature

***binning_data** contains details of multiple intervals in a session data.

Skin temperature session data in binning_data is composed of the following fields and values

- mean : Average skin temperature value in the session
- min : Minimum skin temperature value in the session
- max : Maximum skin temperature value in the session
- start_time: Continuous measurement start time (UTC value, epoch time)
- end_time: Continuous measurement end time (UTC value, epoch time)

Example.
{"end_time":1714246262000,"max":35.607143,"mean":35.607143,"min":35.607143,"start_time":1714246203000}

<com.samsung.shealth.blood_glucose> Data Details

File Name Blood Glucose.csv

File Description Blood glucose

Common Field Group A, B, C, D

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Additional information provided for this measurement.
glucose	The measured blood glucose value in millimoles per liter (mmol/L).
measurement_type	The type of sample blood used for the blood glucose measurement (whole blood: 90001, plasma: 90002, serum: 90003, not defined: -1).
sample_source_type	The type of source used to indicate the position of the body where the sample was taken (venous: 90001, capillary: 90002, not defined: -1).
meal_time	The time when the meal was taken.
meal_type	The context information for the time when this blood glucose was measured (fasting: 80001, after meal: 80002, before breakfast: 80003, after breakfast: 80004, before lunch: 80005, after lunch: 80006, before dinner: 80007, after dinner: 80008, after bedtime: 80009, after snack: 80010, before meal: 80011, general: 80012, before sleep: 80013).
medication	Indicates whether medication was taken before the blood glucose measurement (not taken: 0, taken: 1).
hba1c_id	The UUID(unique id) of the related HbA1C measurement.
insulin_injected	The unit amount of insulin injected before the blood glucose measurement (range: 0 to 100).
binning_data	Detailed binning data of continuous blood glucose in JSON format and ZIP compressed.

***binning_data** represents a list of blood glucose measured using a CGM sensor. Each measurement has two fields: glucose and time_stamp.

- glucose: This field represents the blood glucose value in millimoles per liter (mmol/L).
- time_stamp: This field represents the time when the blood glucose measurement was taken. The time is represented in milliseconds since the Unix epoch, which is January 1, 1970, 00:00:00 UTC.

Example

[{"glucose":11.212512,"time_stamp":1713548474315},

{"glucose":11.323527,"time_stamp":1713548102202}

<com.samsung.shealth.blood_pressure> Data Details

File Name Blood Pressure.csv

File Description Blood pressure

Common Field Group A, B, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Additional information provided for this measurement
systolic	The systolic blood pressure value measured in millimeter of mercury (Hg).
diastolic	The diastolic blood pressure value measured in millimeter of mercury (Hg).
mean	The mean blood pressure value measured in millimeter of mercury (Hg).
pulse	The pulse rate.
medication	Indicates whether medication was taken before the blood pressure measurement (not taken: 0, taken: 1).

<com.samsung.health.body_fat> Data Details

File Name	Body Fat Percentage.csv
File Description	Body fat percentage
Common Field Group	A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
body_fat	Body fat in percentage. Total mass of fat divided by total body mass.

<com.samsung.health.body_muscle> Data Details

File Name Muscle Mass Percentage.csv

File Description Body muscle percentage

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
body_muscle	Muscle mass of body in percentage. Total mass of muscle divided by total body mass

<com.samsung.health.body_temperature> Data Details

File Name	Body Temperature.csv
File Description	Body temperature
Common Field Group	A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
temperature	Value of body temperature measured.

<com.samsung.health.caffeine_intake> Data Details

File Name Caffeine Intake.csv

File Description Caffeine intake

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
amount	Amount in milligrams of caffeine consumed
unit_amount	The amount of caffeine that 1 unit (Example. regular size cup) contains. Note that the average cup of coffee contains 80 milligrams of caffeine.

<com.samsung.health.electrocardiogram> Data Details

File Name Electrocardiogram.csv

File Description Electrocardiogram

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
data	Raw data of measured electric cardiogram
data_format	ECG data format (MIME type)
sample_frequency	Sample frequency of data
sample_count	Sample count of data
mean_heart_rate	Mean value of heart rate during measurement
max_heart_rate	Maximum value of heart rate during measurement
min_heart_rate	Minimum value of heart rate during measurement

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<com.samsung.health.exercise> Data Details

File Name

Exercise.csv

File Description

Exercise

Common Filed Group

A, B, C, D

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
calorie	Energy expended during exercise
duration	Duration of exercise In milliseconds
distance	Distance value for the exercise
exercise_type	Unique exercise type of a pre-defined exercise If exercise type = 0, it could be : 1. Other Workout 2. Routine 3. Custom Exercise 4. Multi-sport So if exercise type is 0, refer to exercise_custom_type
exercise_custom_type	Type of exercise, which is custom, defined. The unique creation id of 1. Routine 2. Custom Exercise 3. Multi-sport
count	Count value of a particular count_type. Refer to count_type
count_type	Count Type refer predefined count types for the value 1. Stride 30001 2. Stroke 30002 3. Swing : 30003 4. Repetition : 30004
altitude_gain	Altitude gain during workout
altitude_loss	Altitude loss during workout
max_speed	Maximum speed in meter per second
mean_speed	Mean speed in meter per second

max_altitude	Maximum Altitude
min_altitude	Minimum Altitude
incline_distance	Incline Distance
decline_distance	Decline Distance
max_caloricburn_rate	Maximum value of caloric burn rate
mean_caloricburn_rate	Mean value of caloric burn rate
max_cadence	Maximum value of cadence rate. It can be cycle/minute or swing/minute
mean_cadence	Mean value of cadence rate. It can be cycle/minute or swing/minute
max_heart_rate	Maximum heart rate per minute
mean_heart_rate	Mean heart rate per minute
min_heart_rate	Minimum heart rate per minute.
max_power	Maximum power in watt
mean_power	Mean power in watt.
max_rpm	Maximum value of revolutions per minute
mean_rpm	Mean value of revolutions per minute
live_data	Real time data of heart rate, speed, power, etc. during exercise in JSON formatted and ZIP compressed
location_data	Location (trajectory) data during exercise in JSON formatted and ZIP compressed
vo2_max	Vo2 Maximum during workout
sweat_loss	Sweat loss in ML during exercise
additional	Additional information of exercise in JSON formatted and ZIP compressed
comment	Comment given for this entry

<com.samsung.shealth.exercise> Data Details

File Name Exercise.csv

File Description Save the exercise data

Common Field Group A, B, C, D

.

Field Name	Field Description
pace_info_id	ID of pace_info referenced by this record
program_id	ID of program referenced by this record
program_schedule_id	ID of program_schedule referenced by this record
source_type	1 - 4 based on how the workout is recorded: workout from tracker - 1, workout from program - 2, workout from manual input - 3, workout automatically detected from wearable device - 4
mission_type	Goal type that is selected before workout: basic (0),distance (1),time (2),calories (3),pace maker (4),training effect (5),repetition (13),internal goals (6~12)
mission_value	Goal type value that is selected before workout : time (minutes),distance (meter),calorie (kcal),training effect (time, minutes),pace (pace id),repetitions per set
mission_extra_value	Training effect level (1.0 ~ 4.0) for training effect goal. Number of sets for repetition goal
completion_status	Status if the goal is completed or not. incomplete: 0, complete: 1
reward_status	Status if the reward has occurred. not occurred: 0,occurred: 1,updated: 2
pace_live_data	Pace live data during exercise which is JSON formatted and ZIP compressed
tracking_status	Tracking status : Stopped: 0,Running: 1,Paused: 2
heart_rate_sample_count	Heart rate sample count which is used to calculate mean heart rate
heart_rate_deviceuuid	Device UUID (unique id) of heart rate monitor accessory
subset_data	Detail information of subset exercise in JSON formatted not Zip compressed
live_data_internal	Live data extension during exercise for internal use in JSON formatted and ZIP compressed

location_data_internal	Location data extension during exercise for internal use in JSON formatted and ZIP compressed
additional_internal	Additional information extension during exercise for internal use compressed
title	Workout title given by the user
sensing_status	Sensing status of wearable devices for different kind of data compressed
total_calorie	Total energy expended during this exercise including paused time.
custom_id	Custom id of custom exercise.
routine_datauuid	Routine Data UUID from routine table.
activity_type	Routine workout activity type Warm Up: 10, Predefined Workout: 20, Custom Workout: 30, Break: 40, Cool down: 50
start_latitude	Latitude value for this route start point
start_longitude	Longitude value for this route start point
race_target	Set to true if it can be used as a race target after the end of the exercise
ftp	Functional threshold power

<com.samsung.shealth.exercise_calorie_goal> Data Details

File Name	Exercise Calorie Goal.csv
File Description	Save the calorie goal data
Common Field Group	A, C

.

Field Name	Field Description
set_time	Set time of goal (UTC Date and Time)
value	Daily goal value(exercise calorie) (kcl)

<com.samsung.shealth.exercise_time_goal> Data Details

File Name Exercise Time Goal.csv

File Description Save the time goal data

Common Field Group A, C

.

Field Name	Field Description
set_time	Set time of goal (UTC Date and Time)
value	Daily goal value(exercise time) (minutes)

< com.samsung.health.floors_climbed> Data Details

File Name Floors climbed.csv

File Description Floors climbed

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
floor	Floors climbed
raw_data	Raw data from sensor for floor

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<com.samsung.health.food_info> Data Details

File Name

Food Information.csv

File Description

Food information

Common Field Group

A, D

.

Field Name	Field Description
provider_food_id	ID of food that the info provider identifies
name	Name of food
info_provider	Provider of food information (reserved names: "samsung", "fatsecret", "boohee", and "user_input")
calorie	Calories of food
description	Description of food
metric_serving_amount	The metric quantity combined with "metric_serving_unit" to derive the total standardized quantity of the serving
metric_serving_unit	The metric unit of measure for the serving size “?”, either "g" or "ml"
serving_description	The full description of the serving size, Example. "1 cup" or "100 g"
default_number_of_serving_unit	Default number of serving unit
total_fat	Total fat in grams (g)
saturated_fat	Saturated fat in grams (g)
polysaturated_fat	Polysaturated fat in grams (g)
monosaturated_fat	Monosaturated fat in grams (g)
trans_fat	Trans fat in grams (g)
carbohydrate	Total carbohydrate in grams (g)
dietary_fiber	Dietary fiber in grams (g)
sugar	Sugar in grams (g)
protein	Protein in grams (g)
unit_count_per_calorie	Number of grams to make one kilocalorie
cholesterol	Cholesterol in milligrams (mg)

sodium	Sodium in milligrams (mg)
potassium	Potassium in milligrams (mg)
vitamin_a	The percentage (%) of daily recommended vitamin A
vitamin_c	The percentage (%) of daily recommended vitamin C
calcium	The percentage (%) of daily recommended calcium
iron	The percentage (%) of daily recommended iron
vitamin_d	The percentage (%) of daily recommended vitamin D intake
added_sugar	Added sugar in grams (g)

<com.samsung.health.food_intake> Data Details

File Name Food Intake.csv

File Description Food intake

Common Field Group A, B, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
calorie	Calorie value of this meal
name	Name given to the meal
amount	This is the value the user chooses from the slider while entering the meal.
unit	Unit used to describe quantity. ("120001": default, "120002": gram, "120003": ounce, "120004": kcal, "-1": not defined)
food_info_id	ID of the food info taken that should be "datauuid" of the "food_info" type
meal_type	Type of meal (Breakfast: 100001, Lunch: 100002, Dinner: 100003, Morning snack: 100004, Afternoon snack: 100005, Evening snack: 100006)

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<com.samsung.health.hba1c> Data Details

File Name Glycated Hemoglobin (HbA1c).csv

File Description Glycated hemoglobin (HbA1c)

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Additional information provided for this measurement
hba1c	The value of hemoglobin bound to glucose measured in %.

<com.samsung.health.health_document> Data Details

File Name Health Document (CDA Document).csv

File Description Health document

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
type	Document type (1: CDA, 2: PDF)
document	Health document In form of above above mention type.
id	ID of health document.
title	Title of this document
patient	Patient name
patient_gender	Gender code of patient ("M": Male, "F": Female)
patient_birthdate	Patient birth date in the format of ("yyyymmdd").
author	Name of the document author or doctor
custodian	Name of the document custodian or hospital

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<com.samsung.shealth.tracker.heart_rate> Data Details

File Name Heart Rate. csv

File Description Heart rate

Common Field Group A, B, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
heart_rate	Heart rate value, cannot be null
heart_beat_count	Heart beat count
min	Minimum value of heart rate in the session
max	Maximum value of heart rate in the session
binning_data	Detailed binning data of continuous heart rate
heart_rate.tag_id	Tag ID (General: 21000, Resting, 21301, After_exercise: 21310, Not_specific : 20000, None_auto: 21312, None_continuous: 21313, excited : 21201, tired: 21207, in_love: 21206, surprised: 21202, sad: 21204, angry: 21203, fearful: 21205, unwell: 21208, resting_auto: 21311, high_alert: 21314, low_alert: 21315, daily_resting: 21316, exercising: 21118, sleep: 23333)
heart_rate.source	Internal module ID which created the data record.

***binning_data** contains details of multiple intervals in a session data.
Heart rate session data in binning data is composed of the following fields and values.

- heart_rate : Average heart rate value of interval
- heart_rate_max : Maximum heart rate value of interval
- heart_rate_min : Minimum heart rate value of interval
- start_time : Continuous measurement start time (UTC value, epoch time)
- end_time : Continuous measurement end time (UTC value, epoch time)

<com.samsung.health.height> Data Details

File Name	Height.csv
File Description	Height
Common Field Group	A, B, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
height	Height value of the user.

<com.samsung.health.nutrition> Data Details

File Name

Nutrition.csv

File Description

Nutrition

Common Field Group

A, B, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
meal_type	Type of meal (Breakfast: 100001, Lunch: 100002, Dinner: 100003, Morning snack: 100004, Afternoon snack: 100005, Evening snack: 100006)
calorie	Calorie intake
title	Nutrition intake title
total_fat	Total fat intake in grams (g)
saturated_fat	Saturated fat intake in grams (g)
polysaturated_fat	Polysaturated fat intake in grams (g)
monosaturated_fat	Monosaturated fat intake in grams (g)
trans_fat	Trans fat intake in grams (g)
carbohydrate	Total carbohydrate intake in grams (g)
dietary_fiber	Dietary fiber intake in grams (g)
sugar	Sugar intake in grams (g)
protein	Protein intake in grams (g)
cholesterol	Cholesterol intake in milligrams (mg)
sodium	Sodium intake in milligrams (mg)
potassium	Potassium intake in milligrams (mg)
vitamin_a	The percentage (%) of daily recommended vitamin A intake
vitamin_c	The percentage (%) of daily recommended vitamin C intake
calcium	The percentage (%) of daily recommended calcium intake
iron	The percentage (%) of daily recommended iron intake

vitamin_d	The percentage (%) of daily recommended vitamin D
added_sugar	Added sugar in grams (g)
vitamin_d	The percentage (%) of daily recommended vitamin D intake
added_sugar	Added sugar in grams (g)
biotin	Biotin in grams (g)
caffeine	Caffeine in grams (g)
unsaturated_fat	Unsaturated fat in grams (g)
polyunsaturated_fat	Polyunsaturated fat in grams (g)
calories_from_fat	Calories from fat in kilocalories (kcal)
copper	Copper in grams (g)
folic_acid	Folic acid in grams (g)
iodine	Iodine in grams (g)
magnesium	Magnesium in grams (g)
niacin	Niacin in grams (g)
pantothenic_acid	Pantothenic acid in grams (g)
phosphorus	Phosphorus in grams (g)
riboflavin	Riboflavin in grams (g)
thiamin	Thiamin in grams (g)
vitamin_b12	Vitamin B12 in grams (g)
vitamin_b6	Vitamin B6 in grams (g)
vitamin_e	Vitamin E in grams (g)
vitamin_k	Vitamin K in grams (g)
zinc	Zinc in grams (g)
chloride	Chloride in grams (g)
chromium	Chromium in grams (g)
folate	Folate in grams (g)
manganese	Manganese in grams (g)
molybdenum	Molybdenum in grams (g)
selenium	Selenium in grams (g)

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<com.samsung.shealth.tracker.oxygen_saturation> Data Details

File Name Oxygen Saturation (SpO2).csv

File Description SpO_2 (oxygen saturation)

Common Field Group A, B, C, D

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement
comment	Comment given for this entry
spo2	Oxygen saturation value
heart_rate	Heart rate value during measurement
low_duration	Total time interval (in seconds) that SpO2 was less than 90% in the session
min	Minimum value of SpO2 in the session
max	Maximum value of SpO2 in the session
binning_data*	Detailed binning data of continuous SpO2 in the session (Refer to the following for details)
tag_id	Tag ID (general: 30000, none: 31000, after_exercise: 31105, tired: 31201, unwell: 31202, high_altitude: 31203, sleep: 31301)
source	Internal module ID which created the data record.
integrated_id	This is the datauuid (unique id) of a representative record of this data record.

***binning_data** contains details of multiple intervals in a session data.

SpO2 session data in binning_data is composed of the following fields and values

- spo2 : Average spo2 value in the session (*can be ignored)
- spo2_min : Minimum spo2 value in the session
- spo2_max : Maximum spo2 value in the session
- start_time: Continuous measurement start time (UTC value, epoch time)
- end_time: Continuous measurement end time (UTC value, epoch time)

Example.
{""spo2"":92,""spo2_max"":97,""spo2_min"":86,""start_time"":1703284329390,""end_time"":1703284388390}

<com.samsung.health.sleep> Data Details

File Name	Sleep.csv
File Description	Sleep
Common Field Group	A, B, C, D

.

Field Name	Field Description
comment	Comment given for this entry
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.

<com.samsung.shealth.sleep> Data Details

File Name Sleep.csv

File Description Sleep

Common Field Group A, B, C, D

.

Field Name	Field Description
data_version	This is the version of the data
day_time	This is the start time of the day in UTC-00 zone, in which this data is made
has_sleep_data	This tells that sleep is analyzed or not.
quality	This tells about rating of sleep.
efficiency	This tells about sleep efficiency
stage_analyzed_type	sleep analyzed type by sleep analysis library (-1 : analysis fail (Ex : 3-stage sleep)), (1 : 4-stage 7-acc 1-minute epoch), (2 : 4-stage 8-acc 30-sec epoch)
original_bed_time	Original bed time /Initial Bed Time.
original_wake_up_time	Original wake up time/ Initial wake up time
original_efficiency	Original sleep efficiency/ Initial sleep efficiency
sleep_score	Sleep score of the energy score
sleep_duration	Average of sleep duration of recent 7 days
sleep_cycle	Sleep cycle count in sleep duration.
movement_awakening	Awake rate (%) in sleep duration
physical_recovery	Deep sleep rate (%) in sleep duration
mental_recovery	Rate (%) of REM sleep consistency
factor_01	Factor 1 for the Internal algorithm
factor_02	Factor 2 for the Internal algorithm

factor_03	Factor 3 for the Internal algorithm
factor_04	Factor 4 for the Internal algorithm
factor_05	Factor 5 for the Internal algorithm
factor_06	Factor 6 for the Internal algorithm
factor_07	Factor 7 for the Internal algorithm
factor_08	Factor 8 for the Internal algorithm
factor_09	Factor 9 for the Internal algorithm
factor_10	Factor 10 for the Internal algorithm
sleep_type	Sleep metaphor type
combined_id	Reference datauuid of combined sleep
goal_bed_time	Bed time of sleep goal on that day
is_integrated	Whether the sleep is created by integrating multi device sleep.(1 : integrated sleep)
integrated_id	Uuid of integrated sleep data that should have “is_integrated” as 1
bedtime_detection_delay	Delay from onset time(bedtime) to detection time in milliseconds
wakeup_time_detection_delay	Delay from offset time(wakeup time) to detection time in milliseconds
sleep_latency	Latency from time in bed to onset time(bedtime) in milliseconds
total_rem_duration	Total rem duration
total_light_duration	Total duration of light stage in minute
extra_data	Extension

<com.samsung.health.sleep_stage> Data Details

File Name Sleep Stage.csv

File Description Save Stage Data

Common Field Group A, B, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
sleep_id	ID of the related sleep data that should be "datauuid" of "com.samsung.health.sleep" type.
stage	Sleep stage. (40001: awake, 40002: light, 40003: deep, 40004: REM)

<com.samsung.health.step_count> Data Details

File Name Step Count.csv

File Description Step count

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
count	Total count of steps during the activity
distance	Distance in meters during the activity
speed	Speed in meters per second during the activity
sample_position_type	Part of the body where user places the device. (unknown: 230001, wrist: 230002, ankle: 230003, arm: 230004)
calorie	Burned calorie in kcal (kilo calorie) during the activity

<com.samsung.health.uv_exposure> Data Details

File Name UV Exposure.csv

File Description UV exposure

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
uv_index	UV index value
latitude	Latitude value of the place in degrees
longitude	Longitude value of the place in degrees
altitude	Altitude value of the place where this measurement was taken
accuracy	Accuracy value of location information

<com.samsung.health.water_intake> Data Details

File Name Water Intake.csv

File Description Water intake

Common Field Group A, B, C, D

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Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
amount	Amount of water consumed in milliliters
unit_amount	The amount of water that 1 unit (Example. glass or bottle) contains

<com.samsung.health.weight> Data Details

File Name Weight.csv

File Description Weight

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
weight	Weight value in kilograms (kg)
height	Height value in centimeters (cm)
body_fat	Body fat in percentage. Total mass of fat divided by total body mass
skeletal_muscle	Skeletal muscle in percentage. Total mass of skeletal muscle divided by total muscle mass
muscle_mass	Muscle mass in percentage. Total mass of muscle divided by total body fat
basal_metabolic_rate	BMR in kcal (kilo calories) per day
body_fat_mass	Body fat mass in kilograms (kg)
fat_free_mass	Fat free mass in kilograms (kg)
fat_free	Fat free ratio in percentage
skeletal_muscle_mass	Skeletal muscle mass in kilograms (kg)
total_body_water	Total body water in liters
vfa_level	VFA (Volatile Fatty Acid) level (0 to 20)
datauuid	Unique ID

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<com.samsung.shealth.active_calories.goal> Data Details

File Name Target calories.csv

File Description Target calories

Common Field Group A, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
value	Daily goal value (kcal)

< com.samsung.shealth.calories_burned> Data Details

File Name Calories Burned.csv

File Description Calories burned

Common Field Group A, B

.

Field Name	Field Description
day_time	Start time of the day on UTC in millisecond
active_calorie	Calories burned during active time. (BMR applied)
rest_calorie	Calories burned during rest time. (BMR applied)
tef_calorie	Thermic Effect of Food. The energy expenditure during digestion (10% of caloric intake)
active_time	Total active time (duration) on the day in millisecond

< com.samsung.shealth.calories_burned.details> Data Details

File Name Calories Burned (Details).csv

File Description Calories Burned (Details)

Common Field Group A, B

Field Name	Field Description
day_time	Start time of the day on UTC in millisecond
active_calorie	Calories burned during active time. (BMR applied)
rest_calorie	Calories burned during rest time. (BMR applied)
tef_calorie	Thermic Effect of Food. The energy expenditure during digestion (10% of caloric intake)
active_time	Total active time (duration) on the day in millisecond
version	Version of 'extra_data' format
active_calories_goal	Daily active calories goal
extra_data	Detail data of daily active calorie (compressed JSON format)
exercise_calories	[Deprecated] Total exercise calories for a day in kilo calories(kcal)
total_exercise_calories	Total exercise calories for a day in kilo calories (kcal)

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<com.samsung.shealth.step_daily_trend > Data Details

File Name

Daily step count trend.csv

File Description

Daily step count trend

Common Field Group

A

.

Field Name	Field Description
day_time	The day of summary
count	Total step count
speed	Average speed
calorie	Total calorie
distance	Total distance
binning_data	10 minutes binning data
source_pkg_name	The package name that is the source of original step counts
source_type	The source type of step count(-2: Combined, -1: 3rd party app, 0: Phone, 1: Wearable(Gear devices), 2:Activity Tracker)

***binning_data** contains the StepData details for each 10 minutes

- count : steps count of the data

- calorie : calories of the data

- distance : distance of the data

- speed : speed of the data

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<com.samsung.health.device_profile> Data Details

File Name

Device Profile.csv

File Description

Profile of device that is a source of data

Common Field Group

A, B

.

Field Name	Field Description
name	Custom name given to the device by user
model	Model name of the product
manufacturer	Manufacturer of the device
device_group	Device group (Unknown: 0, Mobile: 360001, External: 360002, Companion: 360003)
connectivity_type	Type of connectivity, (Bluetooth: 1, USB: 2, SAP: 3, Internal: 4, ANT:5 , NFC: 6, SamsungAccessory: 7)
device_type	In SHealth, defined device type to integer for internal module use.
fixed_name	Name of the device
step_source_group	Source group of step count for wearable (1: Gear, 2: Activity Tracker, 3: Charm)
providing_step_goal	Boolean for checking whether the wearable device has the ability to provide its own step goal (0: False, 1: True)
backsync_step_goal	Boolean for checking whether the wearable device has the ability to sync back mobile step goal (0: False, 1: True)
capability	Functional capability of wearable device in form of compressed blob.

***capability-**
Example.
{"capability_type":"com.samsung.shealth.RESPONSE_CAPABILITY","sender":"wearable","receiver":"shealth","wearable_message":{"message_support":true,"message_version":5.03,"message_compression":true,
"message_compression_format":"gzip","message_size":2000},"data_sync_support":true,"protocol_version":4.51,"
bluetooth_name":"GalaxyWatch4Classic (0AVY)",
"bluetooth_address":"78:46:E4:C4:09:CA","model_name":"GalaxyWatch4 Classic","model_number":"SM-R890","device_id":"4dc2832","temp_device_id":"5300b6f524a68337", connectionId, devicetype,
device_manufacturer etc……..

<com.samsung.health.user_profile> Data Details

File Name User Profile.csv

File Description This data consists of the nickname, birth date, gender, height, and weight.

Common Field Group A, B

Field Name	Field Description
key	Key of user profile properties (Refer to the following key names)
int_value	This is the Value of the Key whose type is integer. Example: ActivityType • activity_little_to_no ->180001 • activity_light -> 180002 • activity_moderate ->180003 • activity_heavy ->180004 • activity_very_heavy ->180005
long_value	This is the Value of the Key whose type is long. Example: summary_finish_time
float_value	This is the Value of the Key whose type is float. Example: • Height • Weight
double_value	This is the Value of the Key whose type is double.
text_value	This is the Value of the Key whose type is text. Example: • Country-> IND • Name-> username • Gender-> “M” or “F” or “N”
blob_value	This is the Value of the Key whose type is blob. Example: Image, json of intention_survey, json of dashboard_config etc. Json of intention_survey:- {"fitnessInterest": [],"fitnessLevel":0,"weightPlan":0}

- **Keys**

country: Country code of user account
image : User profile image
disclosure: The value of disclosure, agreed or not. (Y/N)
name: Username
gender: Gender of user (F/M)
weight: Value of user's weight
weight_unit: Unit of weight in kg
height: Value of user height
height_unit: Unit of height in cm
birth_date: Date of birth (YYYYMMDD)
activity_type: Activity type (180002: Sedentary, 180003: Low active, 180004: Active, 180005: Very active)
distance_unit: Distance unit
temperature_unit: Temperature unit
blood_glucose_unit: Blood glucose unit
phr_migration_time: PHR migration time
shealth25_migration_time: SHealth 2.5 migration time
summary_finish_time: Summary finish time
hba1c_unit: HBA1C unit
blood_pressure_unit: Blood pressure unit
water_unit: Water unit
social_id: Social ID
dashboard_config: Home dashboard configuration
step_calibration: Step calibration factors for gear
image_type: Format of user profile image file
insight_settings: Insight settings
health_record_setting: Health record setting
food_auto_fill: Food auto fill (0: disabled, 1: enabled)
intention_survey: Intention survey
enterprise_registered: Whether user is registered in enterprise challenge (0: not registered, 1: registered) since 5.16
iconx_step_calibration: Step calibration factors for IconX since 5.16
birth_date_approvement: Whether user's birth date is approved (0: not approved, 1: approved, 2: parents approved) - Not used
stress_average: Average value of stress
phone_number: User's phone number

SAMSUNG

<com.samsung.shealth.activity.day_summary> Data Details

File Name Activity Day Summary.csv

File Description Activity Summary

Common Field Group A, B

.

Field Name	Field Description
day_time	Time for activity day summary day
active_time	Activity day active time (millisecond)
walk_time	Activity day walking time(millisecond)
run_time	Activity day running time(millisecond)
others_time	Activity day other exercise time(millisecond)
step_count	Activity day total step count
calorie	Activity day total calorie
distance	Activity day total distance
goal	Activity day goal (minutes)
target	Activity day target (minutes) for Daily Activity Tracker
score	Activity day score
longest_active_time	Activity day longest active time
longest_idle_time	Activity day longest idle time
extra_data	Extra data
move_hourly_count	Total move hourly count for a day
exercise_time	Total exercise time for a day (milliseconds)
dynamic_active_time	Total dynamic active time for a day (milliseconds)
move_hourly_target	Daily goal value (move hourly) (move count in a day)
exercise_time_target	Daily goal value (exercise time) (minutes)
dynamic_active_time_target	Daily goal value (dynamic active time) (minutes)
exercise_calorie_target	Daily goal value (exercise calorie) (kcal)
floors_target	Daily goal value (floors) (count)
movement_type	Type of movement category (0: Steps, 1: Floors, 2: Move hourly)

duration_type	Type of duration category (0: Active time, 1: Exercise time, 2: Dynamic active time)
energy_type	Type of energy category (0: Active calories, 1: Exercise calories)
floor_count	Total floor count for a day

<com.samsung.shealth.activity.goal> Data Details

File Name Activity Daily Goal.csv

File Description Activity Goal

Common Field Group A, C

.

Field Name	Field Description
set_time	Set time of goal (UTC Date and Time)
value	Daily Goal value (minutes)

<com.samsung.shealth.activity_level> Data Details

File Name Activity Level.csv

File Description Activity Level

Common Field Group A, C

.

Field Name	Field Description
set_time	When the measurement was taken (UTC Date and Time)
value	Activity level (180002: Sedentary, 180003: Low active, 180004: Active , 180005: Very Active

<com.samsung.shealth.alerted_heart_rate> Data Details

File Name

Alerted heart Rate.csv

File Description

Alerted heart rate

Common Field Group

A, B, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
comment	Comment given for this entry
heart_rate	Average heart rate in the session
threshold	The threshold value for sending alerts when the heart rate is over or under it
min	Minimum value of heart rate in the session
max	Maximum value of heart rate in the session
binning_data	Detailed binning data of elevated heart rate
tag_id	Tag ID (high alert: 21314, low alert: 21315)
source	Internal module ID which created the data record.

***binning_data** contains details of multiple intervals in a session data.
Heart rate session data in binning data is composed of the following fields and values.

- heart_rate : Average heart rate value of interval
- heart_rate_max : Maximum heart rate value of interval
- heart_rate_min : Minimum heart rate value of interval
- start_time : Continuous measurement start time (UTC value, epoch time)
- end_time : Continuous measurement end time (UTC value, epoch time)

<com.samsung.shealth.badge > Data Details

File Name Badge for achivement.csv

File Description Badge

Common Field Group A, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
key	Key of badge
controller_id	ID of badge issuer, Example. “tracker.sleep”
number_of_streak	Number of streak
exercise_type	Type of exercise
exercise_data_uuid	Exercise data uuid (unique id)
sleep_coaching_sesssion_uuid	Sleep coaching data uuid (unique id)
program_id	Achievement program id
status	0 : not completed, 1 : completed, 2 : in progress
extra_data	Extra data
source_pkg_name	The package name that is the source of original step counts
device_Type	Kind of device
is_show	Flag for checking whether the badge is shown in mobile device (0: not shown, 1 : shown)

<com.samsung.shealth.best_records> Data Details

File Name

Best Records.csv

File Description

Best records

Common Field Group

A

.

Field Name	Field Description
date	Achieved day time
type	Generated record type, there are total 15 records type (Original value ranges from 0 – 16) example for most steps record type is 0.
value	Record Value
controller_id	Service controller's/tracker ID Example. "tracker.sleep"
source_id	The UUID of source data point that has relation of this record. Currently this is an exercise datauuid.
device_type	Device source type (phone, wearable, 3rd party app)
source_pkg_name	The package name that is the source of original data. null if the source is S Health
extra_type	Extra data type for record's item. In case of exercise, this means the type of ex ercise, which is one of the predefined types.
is_shown	Flag for checking whether the best record is shown in mobile device (0: not shown, 1: shown)

<com.samsung.shealth.breathing> Data Details

File Name Breathing.csv

File Description Breathing

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
duration	Duration of this breathing session in milliseconds
cycle	Total number of cycles in this breathing session

<com.samsung.shealth.caloric_balance_goal> Data Details

File Name Calorie Balance Goal.csv

File Description Calorie balance goal

Common Field Group A, C

.

Field Name	Field Description
set_time	Set time of goal (UTC Date and Time)
goal_state	Goal state (0: Stop, 1: Start or update (on-going))
goal_type	Goal type (0: Loss, 1: Maintain, 2: Gain)
start_weight	Start weight in kilograms (kg)
target_weight	Target weight in kilograms (kg)
weekly_target_diff	Weekly weight loss (-value) or gain (+value) goal
daily_target_adjust	Adjust value for Daily Target Calories

<com.samsung.shealth.daily_activity.goal> Data Details

File Name Goal of Daily Activity.csv

File Description Goal of daily activity

Common Field Group A, C

.

Field Name	Field Description
set_time	Set time of goal (UTC Date and Time)
type	Type of goal (Burn: 1, Workout: 2, Move: 3, Not defined: -1)
value	Value of goal

<com.samsung.shealth.dynamic_active_time.goal> Data Details

File Name Dynamic Active Time Goal.csv

File Description Dynamic Active Time Goal

Common Field Group A, C

.

Field Name	Field Description
set_time	Set time of goal (UTC Date and Time)
value	Daily goal value (dynamic active time) (minutes)

<com.samsung.shealth.exercise.challenge.history> Data Details

File Name Workout challenge history.csv

File Description Save the challenge result data

Common Field Group A

.

Field Name	Field Description
exercise_uuid	Exercise result uuid (unique id)
challenge_uuid	Challenge uuid it will be generate once challenge is performed.
result_delete	Result deleted 0:false, 1:true
exercise_type	Exercise type (Running: 1002, Cycling :11007)
duration	Duration of the exercise in milliseconds
distance	Duration of the exercise
challenge_data	Challenge data(x,y coordinates, altitude, time, distance, start_time, etc ..)
end_location_start_time	If the challenge_data is null, the start time of the last data when the location must be brought from the exercise

<com.samsung.shealth.exercise.challenge> Data Details

File Name Workout challenge.csv

File Description Challenge target detail

Common Field Group A

.

Field Name	Field Description
challenge_id	Challenge id for challenge workout
selected	Challenge selected (Best : 0, Recent : 1)
exercise_type	Exercise Type, Running : 1002, Cycling : 11007
start_latitude	Latitude value of start point of challenge route
start_longitude	Longitude value of start point of challenge route
stop_latitude	Latitude value of stop point of challenge route
stop_longitude	Longitude value of stop point of challenge route

< com.samsung.shealth.exercise.custom_exercise > Data Details

File Name	Custom workout created by User.csv
File Description	Save Custom workout created by User
Common Field Group	A

.

Field Name	Field Description
custom_id	Exercise id for custom single and routine exercise
custom_name	Custom workout/Routine name set by user.
custom_type	Custom exercise type (single: 0, routine: 1)
preference	Preferences set by user
visibility	Custom workout visibility (invisible: 0, visible: 1)

< com.samsung.shealth.exercise.extension> Data Details

File Name Exercise extend data.csv

File Description Save Exercise extend data

Common Field Group A

.

Field Name	Field Description
exercise_id	Data uuid (unique id) of the related exercise
location_data	Additional location (trajectory) data during extended exercise which is JSON formatted and ZIP compressed
location_data_internal	Additional location data extension during extended exercise for internal use which is JSON formatted and ZIP compressed
live_data	Additional live data (Example. heart rate, speed, power, and so on) during extended exercise which is JSON formatted and ZIP compressed
live_data_internal	Additional live data extension during extended exercise for internal use which is JSON formatted and ZIP compressed

< com.samsung.shealth.exercise.hr_zone.settings> Data Details

File Name Exercise HR Zone settings.csv

File Description Save HR Zone settings

Common Field Group A, B, C

.

Field Name	Field Description
version	Version of the table
exercise_id	ID of exercise referenced by this record
zone_type	HR zone type set by the user(0: max_hr_custom, 1: max_hr_auto, 2: at/ant, 3: hrr)
live_data	Additional live data (Example. heart rate, speed, power, and so on) during extended exercise which is JSON formatted and ZIP compressed

<com.samsung.shealth.exercise.hr_zone> Data Details

File Name Exercise HR Zone.csv

File Description Save the heart rate zone data

Common Field Group A, B, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
version	Version of the table
max_hr_custom	Maximum heart rate value set by the user on mobile
max_hr_auto	Maximum heart rate value automatically updated after exercise on watch
at	At value automatically updated after exercise on watch
ant	Ant value automatically updated after exercise on watch

<com.samsung.shealth.exercise.max_heart_rate> Data Details

File Name Exercise Max Heart Rate.csv

File Description Save Max HR data

Common Field Group A, C

.

Field Name	Field Description
max_heart_rate	Custom maximum heart rate value that user set from mobile..
at_heart_rate	AT value automatically updated after exercise on watch
start_time	This is the start time instant (UTC Date and Time) of the measurement.
Ant_heart_rate	ANT value automatically updated after exercise on watch

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<com.samsung.shealth.exercise.pacesetter> Data Details

File Name Exercise Pacesetter.csv

File Description Save the pace data

Common Field Group A, D

.

Field Name	Field Description
info_id	Unique ID of the pacesetter
activity_type	Activity type of the workout (None:-1, Slow walking:1001, Walking:1002, Brisk walking:1003, Jogging:2001, Running:2002, Fast running:2003, Cycling:3001)
pace_goal_type	Type of the pacesetter goal (Pacemaker:4, Time interval:8, Distance interval:9, Speed time interval:10, Speed distance interval:11)
pace_type	Type of the pacesetter (Fat burn:1, Cardiovascular:2)
name	Name of the pacesetter
description	Description of the pacesetter
distance	Distance of the workout in meter
duration	Duration of the workout in second
level	Pacesetter intensity level - Lowest (1) ~ Highest (5), based on the speed of the pacesetter
grade	Pacesetter grade - Lowest (1) ~ Highest (3), based on the intensity of the pacesetter
gender	Gender of the pacesetter (Male:"M", Female:"F")
deprecated	Validation of the pacesetter (Valid/Visible:1, Invalid/Invisible/Deleted:0)
pace_element	List of the pacesetter elements which is JSON formatted and ZIP compressed

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<com.samsung.shealth.exercise.photo> Data Details

File Name Exercise Photo.csv

File Description Exercise photo

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
exercise_id	ID of exercise referenced by this record
image	Image of the taken photo
latitude	Latitude of the taken photo
longitude	Longitude of the taken photo

<com.samsung.shealth.exercise.program> Data Details

File Name Exercise Program.csv

File Description Exercise Program

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement
Info_id	ID of program
planned_end_time	Planned end date of the program session
completion_status	State of the program session (0: ended, 100: ready, 200:started, 300:dropped, 400: finished, 500: streaming)
is_visible	Whether the program is visible in history view (Invisible:0, Visible:1) (always is 1)
distance	Total distance for the program
duration	Total duration for the program
schedule_count	Total schedule count of the program

<com.samsung.shealth.exercise.program_schedule> Data Details

File Name

Exercise Program Schedule.csv

File Description

Exercise Program Daily Schedule

Common Field Group

A, D

.

Field Name	Field Description
program_id	ID of program session
program_info_id	ID of program
week_info_id	ID of week info (Always: empty)
day_info_id	ID of day info (Always: empty)
planned_date	Date of the schedule
duration	Duration for the workout
distance	Distance for the workout
pace_info_id	ID of pace info in case of running program
workout_day	Workout or rest day (workout day:1, rest day:0)
state	State of schedule (Not tried:0, In progress:100, Incomplete:200, Completed:300, Missed:400, Rest:500, Paused:600)
state_update_time	Time when the state is updated
state_updated_by	Who updated the schedule state (User:100, Platform:200, SDK:300)
tracker_id	Related ID of referenced tracker type

<com.samsung.shealth.exercise.program_summary> Data Details

File Name Exercise Program Summary.csv

File Description Exercise program summary

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
program_id	Data uuid of program
program_info_id	Program info ID
completion_status	Completion status for the program (30: try again, 50: good job, 80: excellent, 100: perfect)
completion_percentage	Completion percentage of the program
total_workouts	Number of total workouts
completed_workouts	Number of completed workouts
missed_workouts	Number of missed workouts
incomplete_workouts	Number of incomplete workouts
total_distance	Total distance of the program
total_duration	Total duration of the program
max_speed	Maximum speed of the program

<com.samsung.shealth.exercise.recovery_heart_rate> Data Details

File Name Health Exercise Recovery Heart Rate.csv

File Description Save the recovery heart rate data

Common Field Group A, B, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
exercise_id	Datauuid (unique id) of the related exercise
heart_rate	Recovery heart rate sampling after exercise which is JSON formatted and ZIP compressed

<com.samsung.shealth.exercise.route> Data Details

File Name Exercise Route.csv

File Description Save the route data

Common Field Group A, D

.

Field Name	Field Description
name	Course name of this route
distance	Total distance for this route in meters
duration	Total time spent for this route in milliseconds
level	Level of difficulty (1 ~ 5)
altitude_gain	Altitude gain during this route in meters
mean_grade	Mean (average) grade of this route in percent(%)
start_latitude	Latitude value for this route start Point
start_longitude	Longitude value for this route start Point
end_latitude	Latitude value for this route end Point
end_longitude	Longitude value for this route end Point
source_type	Format/type of the source route data (0: my route, 1: gpx, 2: kml, 3: tcx)
source_data	Source route data (Example. gpx formatted) which is ZIP compressed
exercise_type	Type of exercise, which is one of the predefined types.
author	Author name or code
route_id	Route id from server

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<com.samsung.shealth.exercise.routine> Data Details

File Name Shealth Exercise Routine.csv

File Description Save the routine data

Common Field Group A, C

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Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
custom_id	Routine Custom Id routine workout
total_duration	Total duration of routine
total_calorie	Total energy expended during this exercise incl. paused time.
total_distance	Total distance during routine
activities	List of custom exercise UUIDs
comment	Comment given for this entry
title	Routine workout title set by user
total_max_hr	Total maximum heart rate expended during this exercise incl. paused time.
total_average_hr	Total average heart rate expended during this exercise incl. paused time.
total_min_hr	Total minutes heart rate expended during this exercise incl. paused time
heart_rate_deviceuuid	Device uuid of heart rate monitor accessory

<com.samsung.shealth.exercise.weather> Data Details

File Name

Exercise Weather.csv

File Description

Save the weather data

Common Field Group

A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
exercise_id	Exercise ID
latitude	Latitude value of location
longitude	Longitude value of location
temperature_scale	Temperature value of weather on Today
phrase	Information of weather on Today
temperature	Temperature value of weather on Today
wind_direction	Wind direction of today
wind_speed	Wind speed of today
wind_speed_unit	Data unit of wind speed
humidity	Humidity of today
icon_info_id	Id of weather icon
uv_index	UV index
sunset_time	Sunset time
sundown_time	Sunrise time ("sundown_time" is a typo)
forecast_time	Forecast time
type	Weather information type
content_provider	Provider name of weather content

< com.samsung.shealth.floor_goal> Data Details

File Name Floor goal.csv

File Description Floors goal

Common Field Group A, C

.

Field Name	Field Description
set_time	Set time of goal (UTC Date and Time)
value	Value of floor goal

<com.samsung.shealth.food_favorite> Data Details

File Name Food Favorite.csv

File Description Food favorite

Common Field Group A

.

Field Name	Field Description
favoriteid	Favorite ID
name	Favorite name
amount	Favorite counts of items / Food amount
unit	Unit used to describe quantity. Refer to MealItemUnit for the values (DEFAULT, GRAM, OUNCE, KCAL, NOT_DEFINED).
calorie	Total calories
food_info_id	ID of favorite food info that should be "datauuid" of "food_info" type
food_type	Type of favorite food (0: Food, 1: My meal, 2: Relate, 3: My food, 4: Separator, 5: Button)

<com.samsung.shealth.food_frequent> Data Details

File Name

Food Frequent.csv

File Description

Frequent food

Common Field Group

A

.

Field Name	Field Description
food_info_id	ID of frequently consumed food info that should be "datauuid" of "food_info" type
breakfast_count	The count of eating at breakfast time
lunch_count	The count of eating at lunch time
dinner_count	The count of eating at dinner time
morningsnack_count	The count of eating at morning snack time
afternoonsnack_count	The count of eating at afternoon snack time
eveningsnack_count	The count of eating at evening snack time

<com.samsung.shealth.food_goal> Data Details

File Name	Food Goal.csv
File Description	Food goal
Common Field Group	A, C

.

Field Name	Field Description
set_time	Goal start time (UTC Date and Time)
goal_type	Goal type
goal_value	Goal value
goal_by	Where goal is used
comment	Comment given for this record

<com.samsung.shealth.food_image> Data Details

File Name Food Image.csv

File Description Food image

Common Field Group A, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
meal_type	Type of meal (breakfast: 100001, lunch: 100002, dinner: 100003, other: 100004)
meal_image	Food image (Bitmap data)

<com.samsung.shealth.goal> Data Details

File Name S Health Goal.csv

File Description S Health Goal

Common Field Group A, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
goal_type	There can be following types of goals : (Exercise: 40002, Weight: 40004, Water: 40006, Exercise Running: 40007, Exercise Walking: 40008, Exercise Cycling: 40009, Exercise Hiking: 40010, Unified Consumed Calorie: 40011, BG Fasting Low: 40012, BG Fasting High: 40013, BG Premeal Low: 40014, BG Premeal High: 40015, BG Postmeal Low: 40016, BG Postmeal High: 40017, BP systolic: 40018, BP diastolic: 40019, BG Beforesleep Low: 40020, BG Beforesleep High: 40021, Not Defined: -1)
value	Goal value in Integer
float_value	Goal value in Float

<com.samsung.shealth.goal_history> Data Details

File Name Goal History.csv

File Description Goal history

Common Field Group A, C

.

Field Name	Field Description
set_time	Set time of goal history (UTC Date and Time)
controller_id	Goal controller ID
type	Operation type (start goal: 1, drop goal: 2)

<com.samsung.shealth.goal_type> Data Details

File Name Goal Type.csv

File Description Daily Activity Selected goal type

Common Field Group A, C

.

Field Name	Field Description
set_time	When the goal type changed (UTC Date and Time)
movement_type	Type of Motion category (0: Steps, 1: Floors, 2: Move hourly)
duration_type	Type of duration category (0: Active time, 1: Exercise time, 2: Dynamic active time)
energy_type	Type of calorie category (0: Active calories, 1: Exercise calories)

<com.samsung.shealth.health_document> Data Details

File Name

Health Document.csv

File Description

Health Document

Common Field Group

A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
type	Document type (1: CDA, 2: PDF)
document	Health Document
id	Document ID
title	Title of this Document
patient	Patient Name
patient_gender	Gender code of patient ("M":Male, "F":Female)
patient_birthdate	Patient birth date ("yyyymmdd")
author	Name of the document author or doctor
custodian	Name of the document custodian or hospital

<com.samsung.shealth.medication > Data Details

File Name Medication.csv

File Description Medication

Common Field Group A, B, C

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Field Name	Field Description
medicine_name	Medicine name (“Tylenol”)
start_date	Starting date of medication time in milliseconds
end_date	End date of medication time in milliseconds
medicine_ingredients	Ingredient information of medicine "Acetaminophen, Chlorzoxazone"
archive_state	Archive status of medication
source	Source of data (DB search, custom)
product_id	Medicine product id
type	Medicine type { CAPSULE, TABLET, LIQUID, …}
strength	Medicine dose
strength_unit	Strength unit {mg, mcg, g, ml, % ...}
category	Medicine category {Prescription, over the counter, supplement}
shape	Medicine shape
color_left	Left color of medicine
color_right	Right color of medicine
activation_state	Whether medication is activated
frequency_type	Medication frequency type {EVERYDAY, EVERYDAYS, EVERYWEEK, EVERYMONTH}
frequency_interval	Day interval for EVERYDAYS type or week interval for EVERYWEEK type
frequency_days	Dosage days of the month for EVERYMONTH type (“1, 4, 31”)
reminder_state	State of remind alarm (off = 0, on = 1)
reminder_style	Remind alarm type {LIGHT(1), MEDIUM(2), STRONG(3)}

sound_uri	Uri for reminder sound
nickname	Medicine nickname defined by the user (“Morning pill”)
note	User's input note.
display_order	Display order of the meditation defined by the user
dosage_info	Detailed medication time and quantity information for the day
stock_count	Number of stock
refill_reminder_state	State of refill reminder
stock_info	Detailed stock data of medication
reminder_info	Extra data for medication
ingredient_strength	Multiple ingredient strength of medicine data
country_code	Country code of the medication DB
form_info	Medicine form information

<com.samsung.shealth.medication.log > Data Details

File Name Medication Log.csv

File Description Medication log record

Common Field Group A, B

.

Field Name	Field Description
medication_uuid	Data UUID of medication
dosage_date	Dosage date of medication in milliseconds
log_info	Medication log list of day
country_code	Country code of the medication DB

<com.samsung.shealth.medication.schedule > Data Details

File Name Medication Schedule.csv

File Description Medication schedule record

Common Field Group A, B

.

Field Name	Field Description
medication_uuid	Data UUID of medication
dosage_date	Dosage date of medication in milliseconds
schedule_count	Size of schedule_info array
schedule_info	Medication schedule list of day
note	User's input note for daily schedule
country_code	Country code of the medication DB

<com.samsung.shealth.mindfulness.favorites> Data Details

File Name Mindfulness Favourites.csv

File Description Mindfulness Favourites

Common Field Group A, B, C

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Field Name	Field Description
type	Type (which is expressed as content Type) (1 – 5)
program_content_id	Unique content ID of the played program (assigned by Samsung Health server)
track_content_id	Content ID of a the played track (assigned by Samsung Health server)

<com.samsung.shealth.mindfulness.history> Data Details

File Name Mindfulness History.csv

File Description Mindfulness History

Common Field Group A, B, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
duration	Duration of the mindfulness contents which is not the actual playback time but the content duration from calm
type	Contents type (1 – 4)
program_content_id	Unique content ID of the played program (assigned by SamsungHealth server)
program_title	Title of the played program in the language on play
track_content_id	Unique content ID of the played track (assigned by SamsungHealth server)
track_title	Title of the played track in the language on play
stress_device_id	Device uuid of the related record on stress table
mood	Mood type (0-6)

<com.samsung.shealth.move_hourly.goal.csv > Data Details

File Name Move Hourly Goal.csv

File Description Active hours (previously Move hourly) goal

Common Field Group A, C

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Field Name	Field Description
set_time	Set time of goal (UTC Date and Time)
value	Goal value

<com.samsung.shealth.permission> Data Details

File Name User Permission For Web Service.csv

File Description User permission for web service

Common Field Group A

.

Field Name	Field Description
client_id	Client ID of partner service, "com.sec.android.app.shealth" for mobile.
operation	Operation type to permit. Example. "read", "write", and "sync"
item	Item to operate. Example. "com.samsung.health.step" for "read"
allowed	Permission status, 0: not allowed, 1: allowed
optionals	Optional status or items. Format of this depends on operation Example: “wifi_only”
permitted_on	Information of the permission given on,0 : unknown, 1 : mobile, 2 : wearable, 3 : server

SAMSUNG

<com.samsung.shealth.preferences> Data Details

File Name	Preferences.csv
File Description	Service settings
Common Field Group	A

.

Field Name	Field Description
int_value	Set value of preference to integer for internal module use.
long_value	Set value of preference to long for internal module use.
float_value	Set value of preference to float for internal module use.
double_value	Set value of preference to double for internal module use.
text_value	This is the value of key whose value is text. Example: • Email id of the user.
blob_value	Value whose type is compressed JSON blob Example: {"last_water_goal_amount":2020.0,"last_water_goal_amount_time":1715669207564,"last_water_goal_cup":8.0,"last_water_goal_cup_time":1715669207577}
tag	Key use for internal module use.
service_id	This is a tracker id of representative record of this data record.

- Keys

settings.marketing_agreement: Whether marketing agreement is acquired
settings.personalization_agreement: Whether personalization service agreement is acquired
settings.location_agreement: Whether location service agreement is acquired
stress.breath_settings: Settings of breathing guide in stress tracker
stress.breath_sound: Sound on/off setting in stress tracker
together.disclaimer_confirmed_1_1: Whether the declaimer 1.1 of together feature is confirmed
together.challenge_nudge_confirmed: Whether the challenge nudge of together feature is confirmed
oobe.sensitive_data_agreement: Agreement consent logging of collecting sensitive data in OOBE
websync.last_ga_logged_time: Last GA (Google Analytics) logging time of Websync
websync.strava_last_sync_time: Last sync time of Strava Websync
websync.microsoft_last_sync_time: Last sync time of Microsoft Websync

<com.samsung.shealth.report> Data Details

File Name Report.csv

File Description Periodic report of user health data

Common Field Group A

.

Field Name	Field Description
start_date	Start date of the report
type	Type of the report (0: weekly, 1: monthly, 2: yearly)
version	Version of data format
timezone	Timezone as a text format (Example "Asia/Seoul")
content	[Deprecated] Detail description for each item (JSON format)
compressed_content	Detail description for each item (JSON file name)
is_empty	This fields indicates whether or not this report includes user data (0: no, 1: yes)

<com.samsung.shealth.rewards > Data Details

File Name Rewards.csv

File Description Rewards

Common Field Group A, C

.

Field Name	Field Description
title	Kind of achievement
controller_id	ID of badge issuer, Example “tracker.sleep”
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
number_of_streak	Number of streak
exercise_type	Type of exercise
exercise_session_id	The id of exercise
program_id	Achievement program id
Is_visible	0 : not completed, 1 : completed, 2 : in progress
extra_data	Extra data for more information
source_pkg_name	The package name that is the source of original step counts
device_Type	Kind of device

<com.samsung.shealth.sleep_data> Data Details

File Name Sleep Data.csv

File Description Save Sleep Data

Common Field Group A, B, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
sleep_uuid	ID of the related sleep data that should be "datauuid" of "com.samsung.health.sleep" type.
stage	Sleep stage. (40001: awake, 40002: light, 40003: deep, 40004: REM)
json_version	JSON version information of compressed sleep binning data
comment	Comment given for this entry
sleep_status	Binning (10 or 20 minutes) data during sleep which is JSON formatted and ZIP compressed

<com.samsung.shealth.sleep_goal> Data Details

File Name Sleep Goal.csv

File Description Save Sleep Goal Data

Common Field Group A, B

.

Field Name	Field Description
wake_up_time	Wake up time of sleep goal
bed_time	Bed time of sleep goal
set_time	Set time of sleep goal (UTC Date and Time)
sleep_time	Sleep time of sleep goal

<com.samsung.shealth.stand_day_summary> Data Details

File Name Stand Day Summary.csv

File Description Stand day summary

Common Field Group A, B

.

Field Name	Field Description
day_time	UTC-0 00:00:00 for the summary day
stand_time	Each bit indicates whether the user was standing at that time, Example 0x7 includes 0, 1, and 2.

<com.samsung.shealth.stress.histogram> Data Details

File Name Stress Histogram.csv

File Description Stress histogram

Common Field Group A

.

Field Name	Field Description
base_hr	Base heart rate
decay_time	Last decay time in UTC
histogram	Base histogram of heart rate

SAMSUNG

<com.samsung.shealth.stress> Data Details

File Name	Stress Internal Data.csv
File Description	Stress internal data
Common Field Group	A, B , C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
comment	Comments given for this record
end_time	This is the end time instant (UTC Date and Time) of the measurement.
score	Stress score
min	Minimum value of stress in this session
max	Maximum value of stress in this session
algorithm	Stress algorithm (null: Heartmath or TTT, 1: PeASE)
binning_data*	Detailed binning data of continuous stress
tag_id	Tag ID (none: 10000, happy: 10001, neutral: 10002, sad: 10003, excited: 10004, surprised: 10005, angry: 10006, fearful: 10007, in_love: 10008, tired: 10009, unwell: 10010, auto_continuous: 10011, auto_none: 10012)

*** binning_data** contains details of multiple intervals in a session data.
Stress session data in binning_data is composed of the following fields and values.

- score : average score value in the session
- score_max : maximum score value in the session
- score_min : minimum score value in the session
- flag : flag of the session
- start_time : Continuous measurement start time (UTC value, epoch time)

end_time : Continuous measurement end time (UTC value, epoch time)

<com.samsung.shealth.tracker.pedometer_day_summary> Data Details

File Name

Pedometer Day Summary.csv

File Description

Daily step count details

Common Field Group

A, B

Field Name	Field Description
day_time	Start of day
recommendation	Day recommendation value
step_count	Day step count
walk_step_count	Day walk step count
run_step_count	Day run step
speed	Day average speed
calorie	Day calorie
distance	Day recommendation value
healthy_step	Day healthy step count
active_time	Day active duration
binning_data*	10 minutes binning data (Compressed Json)
achievement	Daily achievement data (Compressed Json)
source_package_name	Source package name
source_info	Additional source information for each source group numbers (Compressed Json)

***binning_data** contains the StepData details for each 10 minutes

- mStartTime : Start time of the data
- mTimeUnit : HTimeUnit.MILLIS_IN_DAY
- mCalorie : calorie (Kcal)
- mDistance : distance in meter
- mStepCount : steps count for the data
- mSpeed : speed for the data
- mRunStepCount : run steps count for the data

- mWalkStepCount : walk steps count for the data

- mNowHealthyStep : healthy steps count for the data

- mTotalActiveTime : total active time for the data

<com.samsung.shealth.tracker.pedometer_event > Data Details

File Name Pedometer Event Data.csv

File Description Pedometer Event Data

Common Field Group A, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
healthy_step	Healthy Step Count
type	Event Type

<com.samsung.shealth.tracker.pedometer_recommendation > Data Details

File Name Recommendation.csv

File Description Pedometer Recommendation

Common Field Group A, C

.

Field Name	Field Description
set_time	Recommendation update time (UTC Date and Time)
value	Recommendation value

<com.samsung.shealth.tracker.pedometer_step_count > Data Details

File Name Step Count.csv

File Description Shealth Tracker Step Count

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
count	Total count of steps during the activity
distance	Distance in meters during the activity
speed	Speed in meters per second during the activity
sample_position_type	Part of the body where user places the device. (unknown: 230001, wrist: 230002, ankle: 230003, arm: 230004)
calorie	Burned calorie in kcal during the activity
run_step	Number of running steps during the activity
walk_step	Number of walking steps during the activity
duration	Duration of total step
version_code	Version code of this data. FWG : 1, Shealth 2.5 : 2, Shealth 3.x : 3, SHealth 4.x: 4

<com.samsung.shealth.vitality_score> Data Details

File Name

Vitality score.csv

File Description

Vitality score

Common Field Group

A, B

.

Field Name	Field Description
data_version	This is the version of the data
day_time	This is the start time of the day in UTC-00 zone, in which this data is made
total_score	Total score of the energy score
sleep_score	Sleep score of the energy score
activity_score	Activity score of the energy score
shr_score	SHR (Sleeping Heart Rate) of the energy score
shrv_score	SHRV (Sleeping Heart Rate Variability) of the energy score
sleep_duration	Average of sleep duration of recent 7 days
sleep_balance	Standard deviation of sleep duration of recent 7 days
sleep_regularity	Standard deviation of mid-sleep time (middle of bed and wake up time) of recent 7 days
sleep_timing	Bed time of last night's sleep
active_time	Active time of previous day
mvpa_time	Mid to vigorous exercise time of previous day
mvpa_impulse	Average Heart Rate during mid to vigorous exercise
shrv_penalty	Whether sleeping Heart Rate variability has dropped markedly or not
stable_hr_time_rate	Time taken ratio to reach lowest heart rate during sleep
avg_mid_sleep_time	Average of mid-sleep time (middle of bed and wake up time) of recent 7 days
prev_shr_avg	Average of Sleeping Heart Rate of revent 7 days
prev_shrv_avg	Average of Sleeping Heart Rate variability of revent 7 days
sleep_duration_scale	1~100 score of sleep duration factor

sleep_balance_scale	1~100 score of sleep balance factor
sleep_regularity_scale	1~100 score of sleep regularity factor
sleep_timing_scale	1~100 score of sleep timing factor
active_time_scale	1~100 score of active time factor
mvpa_time_scale	1~100 score of vid to vigorous exercise time factor
mvpa_impulse_scale	1~100 score of average heart rate during mid to vigorous exercise factor
shr_balance_scale	1~100 score of sleeping heart rate balance factor
shrv_balance_scale	1~100 score of sleeping HRV (Heart Rate Variability) balance factor
shr_value	SHR (Sleeping HR) of last night's sleep
shr_baseline_max	Maximum of optimal range of SHR (Sleeping Heart Rate)
shr_baseline_min	Minimum of optimal range of SHR (Sleeping Heart Rate)
shrv_value	SHRV (Sleeping Heart Rate Variability) of last night's sleep
shrv_baseline_max	Maximum of optimal range of SHRV (Sleeping Heart Rate Variability)
shrv_baseline_min	Minimum of optimal range of SHRV (Sleeping Heart Rate Variability)
shr_calculation_index	How much time was taken to measure SHR (Sleeping Heart Rate)
shrv_calculation_index	How much time was taken to measure SHRV (Sleeping Heart Rate variability)
main_sleep_wake_up_time	Wake up time of last night's sleep
activity_level	Activity level which user set at the time this data is generated
max_hr	Maximum HR (220-age) of user at the time this data is generated

<com.samsung.shealth. sleep_combined > Data Details

File Name Sleep Combined.csv

File Description Save Combined Sleep Record

Common Field Group A, B, C

.

Field Name	Field Description
data_version	This is the version of the data
day_time	This is the start time of the day in UTC-00 zone, in which this data is made
has_sleep_data	This tells that sleep is analyzed or not.
quality	This tells about rating of sleep.
efficiency	This tells about sleep efficiency
stage_analyzed_type	Sleep analyzed type by sleep analysis library (-1 : analysis fail (Ex : 3-stage sleep)), (1 : 4-stage 7-acc 1-minute epoch), (2 : 4-stage 8-acc 30-sec epoch)
original_bed_time	Original bed time /Initial Bed Time.
original_wake_up_time	Original wake up time/ Initial wake up time
original_efficiency	Original sleep efficiency/ Initial sleep efficiency
sleep_score	Sleep score of the energy score
sleep_duration	Average of sleep duration of recent 7 days
sleep_cycle	Sleep cycle count in sleep duration.
movement_awakening	Awake rate (%) in sleep duration
physical_recovery	Deep sleep rate (%) in sleep duration
mental_recovery	Rate (%) of REM sleep consistency
factor_01	Factor 1 for the Internal algorithm

factor_02	Factor 2 for the Internal algorithm
factor_03	Factor 3 for the Internal algorithm
factor_04	Factor 4 for the Internal algorithm
factor_05	Factor 5 for the Internal algorithm
factor_06	Factor 6 for the Internal algorithm
factor_07	Factor 7 for the Internal algorithm
factor_08	Factor 8 for the Internal algorithm
factor_09	Factor 9 for the Internal algorithm
factor_10	Factor 10 for the Internal algorithm
sleep_type	Sleep metaphor type
combined_id	Reference data uuid of combined sleep<
goal_bed_time	Bed time of sleep goal on that day
is_integrated	Whether the sleep is created by integrating multi device sleep.(1 : integrated sleep)
integrated_id	Uuid of integrated sleep data that should have “is_integrated” as 1
bedtime_detection_delay	Delay from onset time(bedtime) to detection time in milliseconds
wakeup_time_detection_delay	Delay from offset time(wakeup time) to detection time in milliseconds
sleep_latency	Latency from time in bed to onset time(bedtime) in ms
total_rem_duration	Total rem duration
total_light_duration	Total duration of light stage in minute
extra_data	Extension

<com.samsung.shealth.activity.daily_goal > Data Details

File Name Activity Daily Goal.csv

File Description Activity Summary

Common Field Group A, C

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
value	Goal value (minutes) for Daily Activity Tracker

<com.samsung.shealth.sleep_snoring> Data Details

File Name Sleep Snoring.csv

File Description Save Snoring Data

Common Field Group A, B, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
duration	ID of the related sleep data that should be "datauuid" of "com.samsung.health.sleep" type.

<com.samsung.shealth.hsp.references> Data Details

File Name Health Reference.csv

File Description Health Connect Reference Table

Common Field Group A

.

Field Name	Field Description
shealth_id	Unique id of Samsung Health Data for corresponding Shealth datatype
hsp_id	Unique id of Health Connect for corresponding Health Record.
shealth_data_type	Data Type of Samsung Health for which we are storing shealth_id

Data Type:
1. Exercise
2. HeartRate
3. Step
4. Sleep
5. Nutrition
6. BloodOxygen
7. Weight
8. BloodGlucose

<com.samsung.shealth.body_composition_goal> Data Details

File Name Health Body Composition Goal.csv

File Description Body composition goal

Common Field Group A, C, D

.

Field Name	Field Description
start_time	This is the start time instant (UTC Date and Time) of the measurement.
end_time	This is the end time instant (UTC Date and Time) of the measurement.
data_version	Data version (starting from 1)
achieved_time	Time when the body composition goal is achieved
start_weight	Weight in kilogram at the time of start
target_weight	Target weight in kilogram
achieved_weight	Weight in kilogram at the time of achieving the goal
start_body_fat	Body fat in percentage at the time of start
target_body_fat	Target body fat in percentage
achieved_body_fat	Body fat in percentage at the time of achieving the goal
start_skeletal_muscle	Skeletal muscle in kilogram at the time of start
target_skeletal_muscle	Target skeletal muscle in kilogram
achieved_skeletal_muscle	Skeletal muscle in kilogram at the time of achieving the goal
is_rewarded	Reward status (1: rewarded, 0 or null: not rewarded)
is_deleted	Delete status (1: deleted and invalid target, 0 or null: valid)

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<com.samsung.shealth.program.sleep_coaching.mission> Data Details

File Name Health Program Sleep Coaching Mission.csv

File Description Sleep coaching mission record

Common Field Group A, B

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Field Name	Field Description
session_id	Datauuid of the corresponding sleep coaching session
day_index	Day number of the session (0 to 27/34, 0 is the first day)
mission_id	ID of the mission to record
answer	Answer list of the mission, if mission has the question for user to answer
is_done	Whether the mission is completed (0: no, 1: yes)
data_version	Version of the data
priority	Priority of this mission, used to align mission list
is_key_habit	Whether this mission is key habit or not (0: no, 1: yes)

<com.samsung.shealth.program.sleep_coaching.session> Data Details

File Name	Health Program Sleep Coaching Session.csv
File Description	Sleep coaching session
Common Field Group	A, B

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Field Name	Field Description
start_date	Start time of the session start day in UTC-00 zone
end_date	Start time of the session end day in UTC-00 zone
type	Type (which is expressed as an animal) of the session (1 – 8)
is_report_read	Whether the final report is read or not (0: false, 1: true)
data_version	Version of the data
mission_count	Number of missions in this session
contents_version	Contents version of this session
survey*	Survey that user takes to get sleep coaching (Refer to the following for details)

***survey** contains details of the survey. It is composed of the following fields and values

- rest_days : Days which user selected as rest day. (1~7, which is SUNDAY~SATURDAY)
- ssq3: Answer to question ssq3 of sleep coaching survey (true/false)
- ssq5: Answer to question ssq5 of sleep coaching survey (true/false)

Example. {"rest_days":[1,7],"ssq3":false,"ssq5":true}